



SEQUENCE LISTING

<110> Astellas Pharma Inc.

<120> Protein Which Binds To Akt2

<130> Q88255

<140> 10/537,767

<141> 2005-06-06

<150> PCT/JP03/15546

<151> 2003-12-04

<150> JP 2002-354155

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<170> PatentIn version 3.3

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Gly	Tyr	Leu	Phe	Glu	Glu	Ile	Ala	Lys	Ile	Ser	His	Glu	Ser	Leu	Gly	
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Ser	Ser	Gln	Cys	Leu	Leu	Glu	Tyr	Leu	Leu	Asn	Arg	Leu	Asp	Ser	Ser	
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Ser	Gly	His	Val	Lys	Leu	Lys	Val	Leu	Lys	Ile	Leu	Leu	Tyr	Leu	Cys	
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atc	aaa	gag	tgt	ggc	ctg	ctc	aac	tgt	gag	gca	gtg	ctg	gag	ctg	ctc	1056
Ile	Lys	Glu	Cys 340	Gly	Leu	Leu	Asn	Cys 345	Glu	Ala	Val	Leu	Glu 350	Leu	Leu	
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Val	Pro	Ala	Pro	Gly	Ser	Gln 455	Val	Cys	Leu	Gln	Pro	Leu	Ser	Ser	Ala	
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Thr	Val	Val	Pro	Arg	Ser 470	Pro	Val	Leu	Phe	Pro 475	Ser	Pro	Asn	Thr	Leu 480	
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Pro	Pro	Ser	Ala	Leu 485	Glu	Glu	Pro	Ser	Glu 490	Val	Arg	Thr	Gln	Leu 495	Val	
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Cys	Ser	Ser	Glu 500	Gln	Gly	Thr	Glu	Ser 505	Glu	Gln	Arg	Leu	Glu 510	Asn	Thr	
gac	acc	cca	gag	gat	agc	tcc	agt	ccg	ctc	ccg	tgg	agt	ccc	aac	tct	1584
Asp	Thr	Pro	Glu	Asp	Ser	Ser 520	Ser	Pro	Leu	Pro	Trp	Ser 525	Pro	Asn	Ser	
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 Ser Ser Gln Asp Leu Gln Thr Asp Leu Gln Lys Val Thr Thr Glu Ala
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Ser Ser Gln Cys Leu Leu Glu Tyr Leu Leu Asn Arg Leu Asp Ser Ser
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Ser Gly His Val Lys Leu Lys Val Leu Lys Ile Leu Leu Tyr Leu Cys
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Gly His Gly Ser Ser Ser Phe Leu Leu Ile Leu Arg Arg Asn Ser Ala
 85 90 95

Leu Ile Gln Glu Ala Thr Ala Phe Ser Gly Pro Pro Asp Pro Leu His
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Gly Asn Ser Leu Tyr Gln Lys Val Arg Ala Ala Ala Gln Asp Leu Gly
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Ser Thr Leu Phe Ser Asp Ala Val Pro Gln Pro Pro Ser Gln Pro Pro
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Gln Ile Pro Pro Pro Ala Gly Met Gly Ala Gln Ala Arg Pro Leu Ser

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Leu	Pro	Tyr	Gly	Asp	Ser	Tyr	Gln	Pro	Ala	Val	Thr	Pro	Ser	Ala	Ser
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Pro Gly Pro Val Thr Asn Lys Ala Thr Lys Ile Leu Arg His Phe Glu				
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Ala Ser Cys Gly Gln Gln Leu Pro Thr Leu Arg Leu Cys Ala Gln Pro				
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Asn Ser Ala Ala Ala Pro Val Gly Pro Ala Asp Leu Leu Thr Ser Pro				
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Val Pro Ala Pro Gly Ser Gln Val Cys Leu Gln Pro Leu Ser Ser Ala				
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Thr Val Val Pro Arg Ser Pro Val Leu Phe Pro Ser Pro Asn Thr Leu				
	465		470	475
Pro Pro Ser Ala Leu Glu Glu Pro Ser Glu Val Arg Thr Gln Leu Val				
	485		490	495
Cys Ser Ser Glu Gln Gly Thr Glu Ser Glu Gln Arg Leu Glu Asn Thr				
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Asp Thr Pro Glu Asp Ser Ser Ser Pro Leu Pro Trp Ser Pro Asn Ser				
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Leu Phe Ala Gly Met Glu Leu Val Ala Cys Pro Arg Leu Pro Cys His				
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Leu Pro Ile Leu Leu Lys Gly Thr Ser Asp Asp Asp Val Pro Cys Pro	
20 25 30	
ggc tac ctg ttt gaa gag att gct aaa atc tcc cac gag tct ccg ggc	144
Gly Tyr Leu Phe Glu Glu Ile Ala Lys Ile Ser His Glu Ser Pro Gly	
35 40 45	
agc agc cag tgc ctg ctg gag tac ctc ctg agc cgc ctg cac agc agc	192
Ser Ser Gln Cys Leu Leu Glu Tyr Leu Leu Ser Arg Leu His Ser Ser	
50 55 60	
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Ser Gly His Gly Lys Leu Lys Val Leu Lys Ile Leu Leu Tyr Leu Cys	
65 70 75 80	
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Ser His Gly Ser Ser Phe Phe Leu Leu Ile Leu Lys Arg Asn Ser Ala	
85 90 95	
ttc atc cag gaa gct gca gct ttt gca ggg ccc cca gat cct ctg cac	336
Phe Ile Gln Glu Ala Ala Ala Phe Ala Gly Pro Pro Asp Pro Leu His	
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ggg aac agc ttg tac cag aag gtt cgc gcg gcc gcg cag gac ttg ggg	384
Gly Asn Ser Leu Tyr Gln Lys Val Arg Ala Ala Ala Gln Asp Leu Gly	
115 120 125	
agc acc ctg ttc tcg gac acc gtg ttg ccg ctg gct ccc tcc cag cct	432
Ser Thr Leu Phe Ser Asp Thr Val Leu Pro Leu Ala Pro Ser Gln Pro	
130 135 140	
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Leu Gly Thr Pro Pro Ala Thr Gly Met Gly Ser Gln Ala Arg Pro His	
145 150 155 160	
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Ser Thr Leu Gln Gly Phe Gly Tyr Ser Lys Glu His Gly Arg Thr Gly	
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Ser Ala Gly Glu Ala Phe Leu Ser Thr Ile Gln Lys Ala Ala Glu Val	
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Val Ala Ser Ala Met Arg Pro Gly Pro Glu Ser Pro Ser Thr Arg Arg	

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gac ctg agc agg gtc tcg gac tcg ggc agt cat tcc ggc agc gac agc Asp Leu Ser Arg Val Ser Asp Ser Gly Ser His Ser Gly Ser Asp Ser 275 280 285			864
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Pro Gly Pro Thr Ala Ala Leu	Pro Gly Pro Ser Asp	Leu Leu Thr Asp	
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Ala Val Pro Leu Pro Gly Ser	Gln Val Phe Leu Gln	Pro Leu Ser Ser	
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Thr Pro Val Ser Ser Arg Ser	Pro Ala Pro Ser Ser	Gly Met Pro Ser	
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Ser Pro Val Pro Thr Pro Pro	Pro Asp Ala Ser Pro Ile	Pro Ala Pro	
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Gly Asp Pro Ser Glu Ala Glu	Ala Arg Leu Ala Glu Ser	Arg Arg Trp	
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aga cct gaa cgg atc ccg ggg	ggc acg gac agc cca aag	aga ggc ccc	1584
Arg Pro Glu Arg Ile Pro Gly	Gly Thr Asp Ser Pro Lys	Arg Gly Pro	
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Ser Ser Cys Ala Trp Ser Arg	Asp Ser Leu Phe Ala Gly	Met Glu Leu	
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Cys Pro Asp Ala Pro Arg Ala	Pro Gln Thr Ser Ser Gln	Arg Thr Ala	
565	570	575	
gcc aaa gag cct cct ggc tca	gag ccg tca gct ttc gcg	ttc ctg aac	1776
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 50 55 60

Ser Gly His Gly Lys Leu Lys Val Leu Lys Ile Leu Leu Tyr Leu Cys
 65 70 75 80

Ser His Gly Ser Ser Phe Phe Leu Leu Ile Leu Lys Arg Asn Ser Ala
 85 90 95

Phe Ile Gln Glu Ala Ala Ala Phe Ala Gly Pro Pro Asp Pro Leu His
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Gly Asn Ser Leu Tyr Gln Lys Val Arg Ala Ala Ala Gln Asp Leu Gly
 115 120 125

Ser Thr Leu Phe Ser Asp Thr Val Leu Pro Leu Ala Pro Ser Gln Pro
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Leu Gly Thr Pro Pro Ala Thr Gly Met Gly Ser Gln Ala Arg Pro His
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Ser Thr Leu Gln Gly Phe Gly Tyr Ser Lys Glu His Gly Arg Thr Gly
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Ser Ala Gly Glu Ala Phe Leu Ser Thr Ile Gln Lys Ala Ala Glu Val
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Leu Leu Pro Arg Gly Asp Thr Tyr Gln Pro Ala Met Met Pro Ser Ala
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Ser His Gly Pro Pro Thr Leu Gly Asn Leu Leu Pro Gly Ala Ile Pro
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Gly Pro Arg Ala Val Arg His Gln Pro Gly Gln Ala Gly Gly Gly Trp
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Asp Glu Leu Asp Ser Gly Pro Ser Ser Gln Asn Ser Ser Gln Asn Ser
260 265 270

Asp Leu Ser Arg Val Ser Asp Ser Gly Ser His Ser Gly Ser Asp Ser
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His Ser Gly Ala Ser Arg Glu Pro Gly Asp Leu Ala Glu Arg Val Glu
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305 310 315 320

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340 345 350

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Leu Cys Ala Ile Ala Ser Leu Gly Ser Ser Asp Leu Leu Pro Gln Glu
370 375 380

His Ile Leu Leu Arg Thr Arg Pro Trp Leu Gln Glu Leu Ser Met Gly
385 390 395 400

Ser Pro Gly Pro Val Thr Asn Lys Ala Thr Lys Ile Leu Arg His Phe
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Glu Ala Ser Cys Gly Gln Leu Ser Pro Ala Arg Gly Thr Ser Ala Glu
420 425 430

Pro Gly Pro Thr Ala Ala Leu Pro Gly Pro Ser Asp Leu Leu Thr Asp
435 440 445

Ala Val Pro Leu Pro Gly Ser Gln Val Phe Leu Gln Pro Leu Ser Ser
450 455 460

Thr Pro Val Ser Ser Arg Ser Pro Ala Pro Ser Ser Gly Met Pro Ser
 465 470 475 480

Ser Pro Val Pro Thr Pro Pro Pro Asp Ala Ser Pro Ile Pro Ala Pro
 485 490 495

Gly Asp Pro Ser Glu Ala Glu Ala Arg Leu Ala Glu Ser Arg Arg Trp
 500 505 510

Arg Pro Glu Arg Ile Pro Gly Gly Thr Asp Ser Pro Lys Arg Gly Pro
 515 520 525

Ser Ser Cys Ala Trp Ser Arg Asp Ser Leu Phe Ala Gly Met Glu Leu
 530 535 540

Val Ala Cys Pro Arg Leu Val Gly Ala Gly Ala Ala Ala Gly Glu Ser
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Cys Pro Asp Ala Pro Arg Ala Pro Gln Thr Ser Ser Gln Arg Thr Ala
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Ala Lys Glu Pro Pro Gly Ser Glu Pro Ser Ala Phe Ala Phe Leu Asn
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(GenBank U29899)

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